

# SURFACE WATER STATUS

Vic Kuchler - FESS

## Current Conditions

- Since March, Rainfall is More Than 15" Below Normal
- Activity is Evident at All Surface Water Storage Ponds Across the Site
- An Eleven Point Response Plan is in Place Which Moves Water from Storage Ponds to the Active Pond System

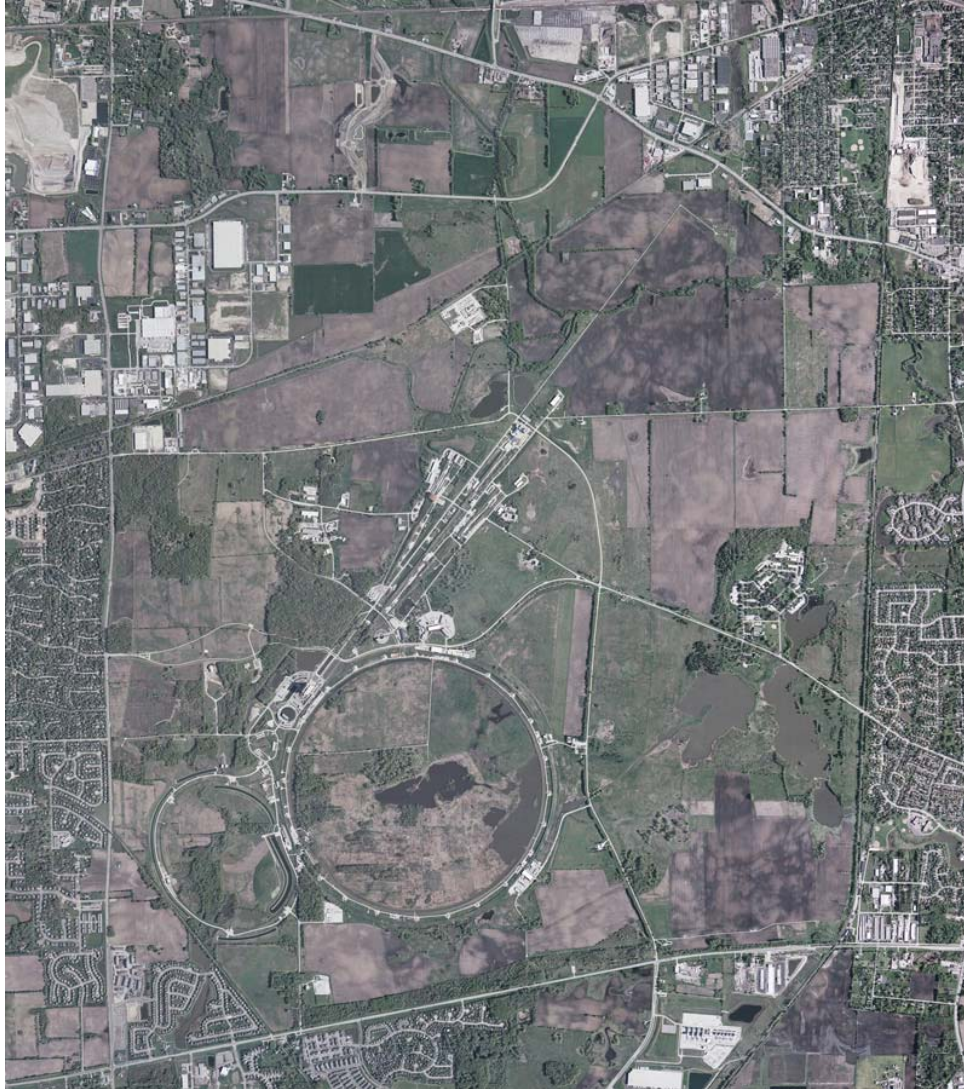
## Some Water Facts

- The Accelerator Complex Uses About 500 GPM When Running
- Summer Evaporation Uses About 400 GPM (90% Fall and Spring and 65% Winter)
- Casey's Pond Capacity is 40M gal.
- All Other Pond Capacity is 80M gal.
- Normal Rain Averages for this Area Are:
  - 4.25" per Month - Summer
  - 3.34" per Month - Spring/Fall
  - 1.77" per Month - Winter

# WATER SOURCES

- Fox River, 300 - 700 GPM When Fox River Flow is at Least 200 CFS at the Algonquin Metering Station
- NuMI Sumps, 200 GPM
- Well 1 & 3, 150 GPM After Connection to the Warrenville Domestic Water System
- Well 4, 200 - 600 GPM

## All Experimenter's Meeting



9.19.05

V. Kuchler



## All Experimenter's Meeting



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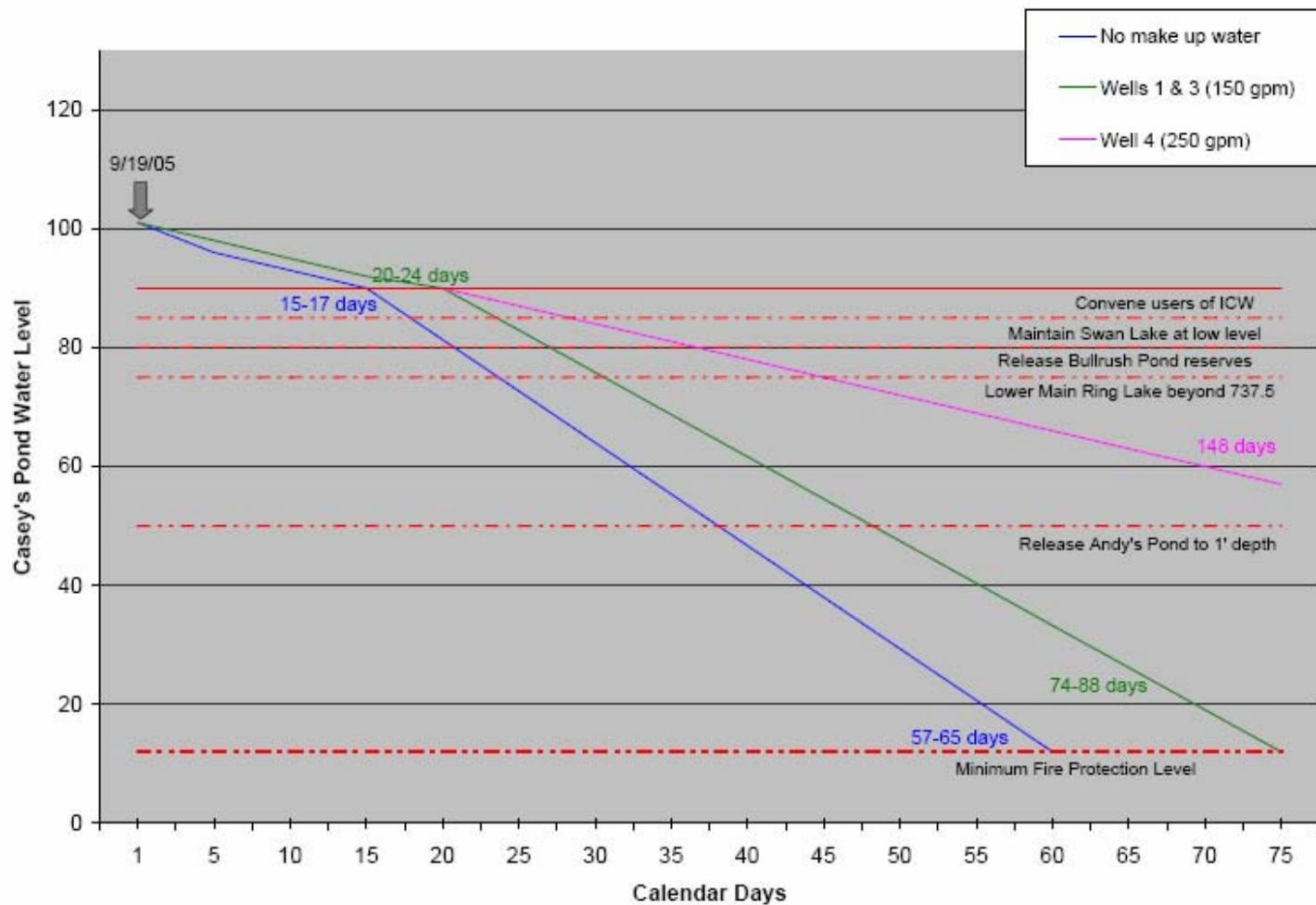




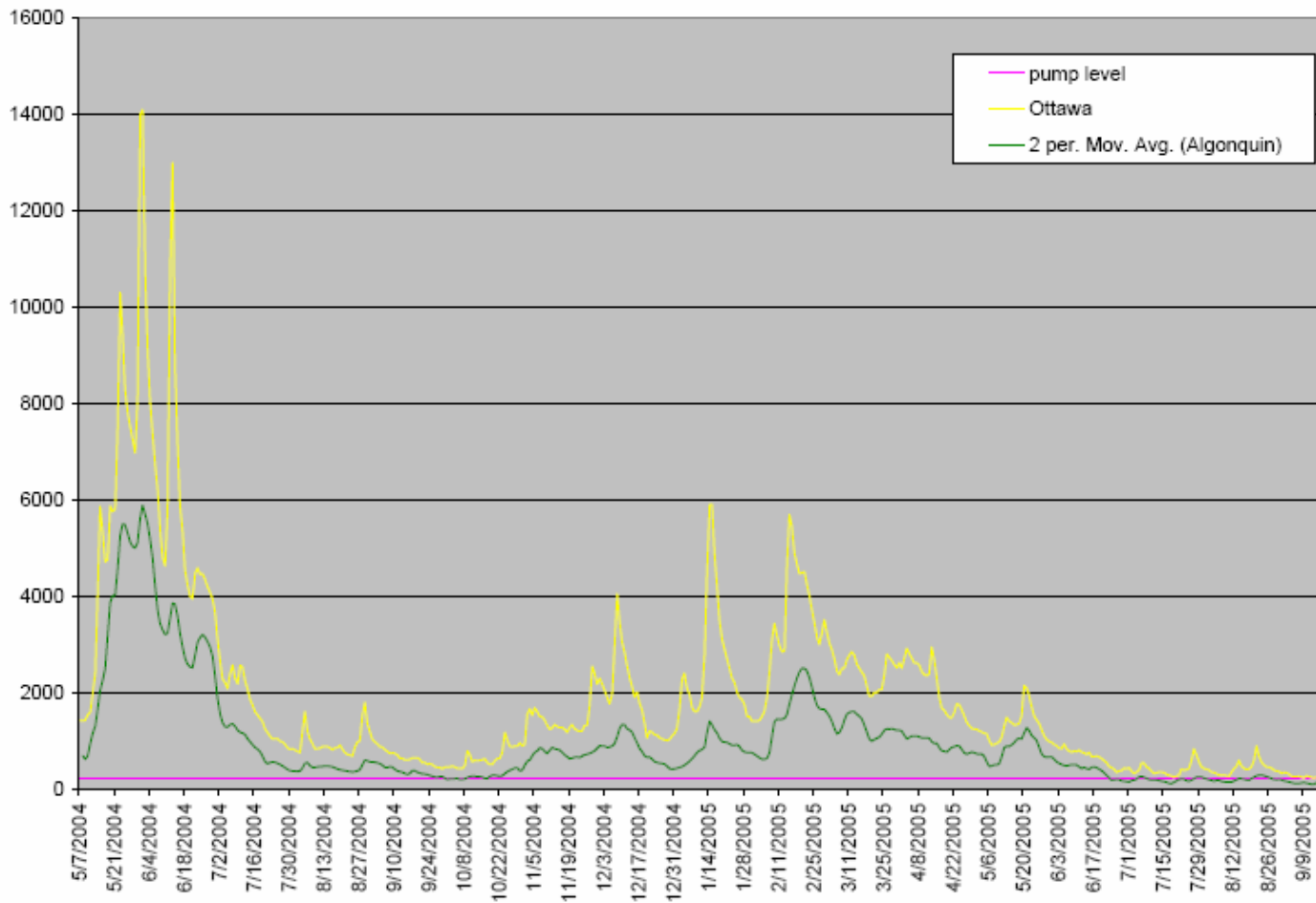
## So What Now ?

- Work is Continuing to Secure Domestic Water Wells for Cooling Water Supply
- Well 1 & 3 are Dependent on Connection to Warrenville Water (2 Weeks)
- Well 4 is 3-4 Weeks Away from Being Operational
- There is Still Some Reserve in Lake Law, Main Ring Lake and Swan Lake
- All Fess Resources Will/Are Being Utilized to Maintain Cooling Water and Accelerator Operations

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